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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/308,397

DATE: 03/22/2000

TIME: 10:42:16

Input Set: I308397.RAW

This Raw Listing contains the General Information  
Section and up to first 5 pages.

ENTERED

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1  <110> APPLICANT: Gentry, Daniel R.
2      Lonsdale, John T.
3      Payne, David J.
4      Pearson, Stewart C.
5      Van Aller, Glenn
6  <120> TITLE OF INVENTION: Novel FabD
7  <130> FILE REFERENCE: P50593
8  <140> CURRENT APPLICATION NUMBER: US/09/308,397
9  <141> CURRENT FILING DATE: 1999-05-18
10 <150> EARLIER APPLICATION NUMBER: US 60/031,160
11 <151> EARLIER FILING DATE: 1996-11-18
12 <150> EARLIER APPLICATION NUMBER: PCT/US97/20992
13 <151> EARLIER FILING DATE: 1997-11-14
14 <160> NUMBER OF SEQ ID NOS: 6
15 <170> SOFTWARE: FastSEQ for Windows Version 4.0
16 <210> SEQ ID NO 1
17 <211> LENGTH: 921
18 <212> TYPE: DNA
19 <213> ORGANISM: Streptococcus pneumoniae
20 <400> SEQUENCE: 1
21      atgactaaaa cagccttttt atttgctggt caaggtgccc agtatctagg gatgggacgg      60
22      gattttctatg atcagtatcc gattgtcaaa gaaacgattg atcgagcgag tcaggtgctc      120
23      ggttatgatt tacgttatct catcgatacg gaagaagaca aactcaatca gaccgcgtat      180
24      acgcaaccag ccattctagc gacttcgggt gctatctacc gtttattgca agaaaagggc      240
25      tatcagcctg atatggttgc tggtttgtct cttggagaat actctgcctt ggtggcaagc      300
26      ggcgccttgg attttgaaga tgcggttgcc ttggtagcta agcgtggagc ctatatggaa      360
27      gaagcggctc ctgctgactc tggcaagatg gtagcagttc tcaatacgcc agtagaggtc      420
28      attgaagaag cctgtcaaaa agcttctgaa cttggagtgg ttactccagc caactataac      480
29      acacctgcac aaatcgatc tgcgtggagaa gtggttgcag ttgatcgagc ggttgaactt      540
30      ttgcaagaag caggtgcaa acgcttgatt cctcttaagg tgtcaggtcc ctttcacacc      600
31      gctctccttg agcctgctag ccagaaaacta gctgaaactc tagctcaggt aagtttttca      660
32      gattttactt gtcccctagt cggcaataca gaagctgctg tgatgcaaaa agaggacatt      720
33      gctcagctct tgacgcgtca ggtcaaggaa cccgttcggt tctatgaaag tattggggtc      780
34      atgcaagaag caggcataag caactttatc gagattggac cggggaaagt cttgtcaggt      840
35      tttgttaaaa aaattgatca aactgctcac ttagctcatg tggaagatca agcgagtta      900
36      gtagcacttt tagaaaaata g      921
37 <210> SEQ ID NO 2
38 <211> LENGTH: 306
39 <212> TYPE: PRT
40 <213> ORGANISM: Streptococcus pneumoniae
41 <400> SEQUENCE: 2
42      Met Thr Lys Thr Ala Phe Leu Phe Ala Gly Gln Gly Ala Gln Tyr Leu
43      1          5          10          15
44      Gly Met Gly Arg Asp Phe Tyr Asp Gln Tyr Pro Ile Val Lys Glu Thr

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82  <210> SEQ ID NO 3
83  <211> LENGTH: 450
84  <212> TYPE: DNA
85  <213> ORGANISM: Streptococcus pneumoniae
86  <400> SEQUENCE: 3

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87	ctgaagataat	cctaaaagat	ttgtattacg	gagccgctaa	gaaaattcaa	gaagaagcct	60
88	ctcgctgggc	aggagtgtga	agaaatgact	aaaacagcct	ttttatttgc	tggtcaaggt	120
89	gccagtatc	tagggatggg	acgggatttc	tatgatcagt	atccgattgt	caaagaaacg	180
90	attgatcgag	cgagtcaggt	gctcggttat	gatttacgtt	atctcatcga	tacggaagaa	240
91	gacaaactca	atcagaccgc	ctatacgcaa	ccagccattc	tagcgacttc	ggttgctatc	300
92	taccgtttat	tgcaagaaaa	gggctatcag	cctgatatgg	ttgctggttt	gtctcttgga	360
93	gaatactctg	ccttggtggc	aagcggcgcc	ttggattttg	aagatgcggt	tgccttggtg	420
94	qctaagcgtg	qagcctatat	qgaagaagcg				450

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95 <210> SEQ ID NO 4
96 <211> LENGTH: 122
97 <212> TYPE: PRT
98 <213> ORGANISM: Streptococcus pneumoniae
99 <400> SEQUENCE: 4
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102 Gly Met Gly Arg Asp Phe Tyr Asp Gln Tyr Pro Ile Val Lys Glu Thr
103      20          25          30
104 Ile Asp Arg Ala Ser Gln Val Leu Gly Tyr Asp Leu Arg Tyr Leu Ile
105      35          40          45
106 Asp Thr Glu Glu Asp Lys Leu Asn Gln Thr Arg Tyr Thr Gln Pro Ala
107      50          55          60
108 Ile Leu Ala Thr Ser Val Ala Ile Tyr Arg Leu Leu Gln Glu Lys Gly
109      65          70          75          80
110 Tyr Gln Pro Asp Met Val Ala Gly Leu Ser Leu Gly Glu Tyr Ser Ala
111      85          90          95
112 Leu Val Ala Ser Gly Ala Leu Asp Phe Glu Asp Ala Val Ala Leu Val
113      100         105         110
114 Ala Lys Arg Gly Ala Tyr Met Glu Glu Ala
115      115         120
116 <210> SEQ ID NO 5
117 <211> LENGTH: 547
118 <212> TYPE: DNA
119 <213> ORGANISM: Streptococcus pneumoniae
120 <400> SEQUENCE: 5
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122 ctgtcaaaaag cttctggaac ttggagtggt tactccagcc aactataaca cacctgcaca      120
123 aatcgtcatt gctggagaag tgggtgcagt tgatcgagcg gttgaacttt tgcaagaagc      180
124 aggtgccaaa cgcttgattc ctcttaaggt gtcaggtccc tttcacaccg ctctccttga      240
125 gctgtctagc cagaaactag ctgaaactct agctcaggtg agtttttcag attttacttg      300
126 tcccctagtc ggcaatacag aagctgctgt gatgcaaaaa gaggacattg ctcagctctt      360
127 gacgcgtcag gtcaaggaac ccgttcgttt ctatgaaagt attgggggtca tgcaagaagc      420
128 aggcataagc aacttattcg agattggacc ggggaaagtc ttgtcaggtt ttgttaaaaa      480
129 aattgatcaa actgctcact tagctcatgt ggaagatcaa gcgagtttag tagcactttt      540
130 agaaaaa      547
131 <210> SEQ ID NO 6
132 <211> LENGTH: 182
133 <212> TYPE: PRT
134 <213> ORGANISM: Streptococcus pneumoniae
135 <400> SEQUENCE: 6
136 Ala Glu Leu Gly Lys Met Val Ala Val Leu Asn Thr Pro Val Glu Val
137      1          5          10          15
138 Ile Glu Glu Ala Cys Gln Lys Leu Leu Glu Leu Gly Val Val Thr Pro
139      20          25          30
140 Ala Asn Tyr Asn Thr Pro Ala Gln Ile Val Ile Ala Gly Glu Val Val
141      35          40          45
142 Ala Val Asp Arg Ala Val Glu Leu Leu Gln Glu Ala Gly Ala Lys Arg
143      50          55          60
144 Leu Ile Pro Leu Lys Val Ser Gly Pro Phe His Thr Ala Leu Leu Glu

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145	65	70	75	80
146	Pro Ala Ser Gln Lys Leu Ala Glu Thr Leu Ala Gln Val Ser Phe Ser			
147		85	90	95
148	Asp Phe Thr Cys Pro Leu Val Gly Asn Thr Glu Ala Ala Val Met Gln			
149		100	105	110
150	Lys Glu Asp Ile Ala Gln Leu Leu Thr Arg Gln Val Lys Glu Pro Val			
151		115	120	125
152	Arg Phe Tyr Glu Ser Ile Gly Val Met Gln Glu Ala Gly Ile Ser Asn			
153		130	135	140
154	Leu Phe Glu Ile Gly Pro Gly Lys Val Leu Ser Gly Phe Val Lys Lys			
155		145	150	155
156	Ile Asp Gln Thr Ala His Leu Ala His Val Glu Asp Gln Ala Ser Leu			
157		165	170	175
158	Val Ala Leu Leu Glu Lys			
159		180		

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